

## CV



### Personal Information

**Name:** Dr. YITAYAL ADDIS ALEMAYEHU

**Position:** Assistant Professor in Environmental Science

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## 1. Overview

Dr. Yitayal Addis Alemayehu has a total of 16 years of experience in teaching and research on environmental educations with a focus on circular economy: resource management, material recovery, environmental pollution and prevention, and organic fertilizer issues. He is serving as a reviewer on the known journals of Elsevier, Springer, and Mdpi. In addition, he has 14 years of working experience in community service pertaining to environment and outlook reports in collaboration with other sectors like SNV Ethiopia, environmental protection authority and environmental commissions. His teaching and training skill contributes to his skills in facilitating, and coordinating stakeholder engagement workshops which he is well experiencing. In addition, he served as a department head to lead departmental-based teaching, research, and community service projects by integrating into the University and national plans. He has also the experience in engaging and promoting knowledge sharing and best practices at national and international workshops and conferences, and as a quality relevance assurance coordinator at KUE. He proved to be an efficient, enthusiastic, and strong worker in my career. Currently, he is working as managing editor for Kotebe Journal of Education.

## Experience (Occupation, positions, organizations, years)

a. Dates: March 2015 up to now: KUE, Lecturer and *Assistant professor.*

- ✓ Head department of Environmental science
- ✓ Quality policy and guideline preparation task force member for KUE.
- ✓ Anti-corruption member and secretary in the University
- ✓ Laboratory renovation task force chair person in the University
- ✓ Quality relevance assurance coordinator
- ✓ Managing editor for a Kotebe Journal of Education

b. Dates: July 8, 2009 up to February 2015: Mizan-Teppi University, Assistance Lecturer and Lecturer

c. Dates: July 7, 2006 to July 14, 2008: Motta secondary and preparatory school, Chemistry teacher and vice director.

2. Profession/qualification (qualification, university, graduation year)

a. First Degree: Bed degree in chemistry, Jimma University, 2006

b. Second Degree: MSc in Environmental science, Addis Ababa University, 2011

c. Third Degree: PhD in Environmental science, Addis Ababa University, 2021

d. Higher diploma Program on teaching methodology.

### **3. Research Interest**

Bio-fertilizer and/or Bio-Energy recovery from waste, waste recycling and reuse, pollution prevention and control.

### **4. Projects performed**

✓ Biogas user survey and Health Benefits in the four regions (Tigray, Amhara, Oromia and SNNPR) of Ethiopia for the Netherland development organization (SNV) Ethiopia, 2010.

✓ Overview of clean cook stove dissemination in Ethiopia: Recommendations for SNV Ethiopia, 2011/12.

✓ State of the environment report of Addis Ababa city as a coordinator and author, 2017/18-2019.

### **5. Publications**

1. Alemayehu YA, Mekibib D, Araya A (2017) Study on Biogas Production Potential of Leaves of *Justicia schimperiana* and Macro-Nutrients on the Slurry. *Int. J Waste Resour.* 7 (3):1-4

2. Alemayehu YA (2015). Enhancement and Optimization Mechanisms of Biogas Production for Rural Household Energy in Developing Countries: A review. *Int. Journal of Renewable Energy Development* 4 (3): 189-196

3. Alemayehu YA (2015). Status and Benefits of Renewable Energy Technologies in the Rural Areas of Ethiopia: A Case Study on Improved Cooking Stoves and Biogas Technologies. *Int. Journal of Renewable Energy Development* 4 (2): 103-111

4. Alemayehu YA, Asfaw SL, Terfie TA (2022). Hydrolyzed urine for enhanced valorization and toxicant degradation of wet coffee processing wastes: Implications for soil contamination and health risk reductions. *Journal of environmental management* 307:1-12

5. Alemayehu YA, Asfaw SL, Terfie TA (2022). Hydrolyzed urine as a nutrient and condition corrector for enhanced coffee pulp composting. *Environmental Technology & Innovation* 28:1-12. <https://doi.org/10.1016/j.eti.2022.102703>.

6. Alemayehu YA, Asfaw SL, Terfie TA (2021). Reusing urine and coffee processing wastewater as a nutrient source: Effect on soil characteristics at optimum cabbage yield.

*Environmental Technology & Innovation* 23:1-11.

<https://doi.org/10.1016/j.eti.2021.101571>

7. Alemayehu YA, Asfaw SL, Terfie TA (2021). Reusing Coffee Processing Wastewater and Human Urine as a Nutrient Source: Effect on Cabbage Cultivation. *Waste and Biomass Valorization* 10: 1-11. <https://doi.org/10.1007/s12649-021-01451-9>
8. Alemayehu YA, Asfaw SL, Terfie TA (2020). Nutrient recovery options from human urine: A choice for large scale application. *Sustainable production and consumption* 24:219-231. <https://doi.org/10.1016/j.spc.2020.06.016>
9. Alemayehu YA, Asfaw SL, Terfie TA (2020). Exposure to urban particulate matter and its association with human health risks. *Environmental Science and Pollution Research* 27 (22): 27491-27506. <http://doi.org/10.1007/s11356-020-09132-1> (Ph.D. Seminar work).
10. Alemayehu YA, Asfaw SL, Terfie TA (2019). Management options for coffee processing wastewater. A review. *Journal of Material Cycles and Waste Management* 22: 454–469. <https://doi.org/10.1007/s10163-019-00953-y>
11. Alemayehu YA, Demoz AA, Degefu MA, Gebreeyessus GD, Demessie SF (2020). Effect of human urine application on cabbage production and soil characteristics. *Journal of Water, Sanitation and Hygiene for Development* 10(2): 262–275.
12. Alemayehu YA and Gashaw T. (2019). Principal air pollutants and their effect on athletes' health and performance and health. *Scientific Research and Essays* 14 (7):444-52.
13. Alemayehu YA, Mengesha K, Ambachew H, Tolla G. (2017): Enhancing Classroom Participation of Students in Practical Courses: The Case of environmental science students in Kotebe Metropolitan University. *Journal of education and practice* 8 (19):28-33.
14. Alemayehu YA, Deriba TR (2015). Proximate and mineral composition of coffee made from mixtures of coffee leaf and spices. *Journal of Nutrition & Food Sciences* 7(4):1-5
15. Alemayehu YA, Deriba TR (2015). Estimation of the caffeine content of coffee made from mixtures of coffee leaf and spices. *Sci. Technol. Arts Res. J.* 4(2): 211-214.
16. Alemayehu YA, Achame HA (2014). Socio-cultural practice on coffee made from mixtures of coffee leaf and spices *IMEJ* 3(6):36-45.

## 6. Conference presentations

- ✓ Principal air pollutants and their effects on Athlete's health and performance. Ethiopian Environmental Health Professional Association with Ethiopian Public Health Institute. Addis Ababa, December, 2015.
- ✓ Principal air pollutants and their effects on Athlete's health and performance. Ethiopian public Universities Sport Association Research Symposium. Debre Markos University, May, 2015.
- ✓ Biogas energy for sustainable development on the theme "science for sustainable development". Arba Minch University, June, 2015.
- ✓ Nutritional and Medicinal values of "Chemo" on the theme "Ethiopian Medicinal Plants and Moringa". Arba Minch University, April, 2016.

- ✓ Status and Benefits of Improved Cooking Stoves and Biogas Technologies Dissemination in the Rural areas of Ethiopia. 2<sup>nd</sup> annual research symposium, Bule Hora University, June, 2016.
- ✓ Status of Renewable Energy Technologies in the rural areas of Ethiopia: The role in climate change mitigation. Haramaya University with Ministry of Environment, forest and climate change. February, 2017
- ✓ Biogas production potential of leaves of *Justicia schimperiana* and macro-nutrients on the slurry. Samara University, May, 2017
- ✓ Socio-cultural practices and values of “Chemo”. 1<sup>st</sup> annual conference on “Indigenous Knowledge for Sustainable Development” Jinka University, June, 2019
- ✓ Principal air pollutants and their health effects. Kotebe Metropolitan University. May, 2017.
- ✓ Particulate matter exposure and its association with human health risks on the theme “Environmental Safety and Sustainability. Kotebe University of Education, February, 2022.

**7. Review tasks (Reviewer in different reputable journals)**

S. no.	Journal	Publisher	No. of manuscripts	Evidence
1	Environmental pollution	Elsevier	2	Certificate
2	Biomass conversion and Biorefinery	Springer	2	ORCID*, Publons**
3	Environment, development and sustainability	Springer	11	ORCID*, Publons**
4	International journal of Environmental Research and Public Health	Mdpi	2	Certificate
5	Reviews in Environmental Science and biotechnology	Springer	1	Certificate
6	Waste Management	Elsevier	2	ORCID*, Publons**
7	Sustainability	Mdpi	5	Certificate
8	Atmosphere	Mdpi	1	Certificate
9	Sustainable Cities and Society	Elsevier	2	Certificate
10	Medicina	Mdpi	1	Certificate
11	Applied water science	Springer	4	ORCID*, Publons**
12	KUE proceeding	KUE	2	Certificate

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\*\* <https://publons.com/researcher/4346825/yitayal-addis-alemayehu>

## 8. Research Trainings attended

- ✓ Certified in completion of basic SPSS training held from June 22-24, 2017, **KUE**.
- ✓ Certified on **5 month grant writing training** held from 06 June 2022 to 29 Oct. 2022 by **AAU, University of Cologne and Kenyatta University, and DAAD**
- ✓ Online training on how to respond to reviewers' comments delivered by Elsevier, 12 Nov, 2022
- ✓ Online training on how to prepare your manuscript delivered by **Elsevier**, 13<sup>th</sup> Nov. 2022
- ✓ Certificate received from Alison, UK for completion of training on Environmental management systems, Circular economy, and occupational health.
- ✓ Certified on ISO 45001:2018 - Principles of Occupational Health and Safety Management Systems by Alison 7<sup>th</sup> July 2022.

## 9. Trainings delivered

- ✓ Provide to KUE's administrative staffs (sanitation workers) on *managing particulate exposure during swiping*.
- ✓ Composting and biogas as an option for sustainable organic waste management held from July 12 to 22, 2018, Global Environmental Solution (GES).
- ✓ Research methodology to Ethiopian fire and hazard risk management staffs.

## 10. Other relevant information/link:

- ✓ Total citations: 200
- ✓ Higher diploma program (HDP) certified.
- ✓ EPA certified for competence on environmental pollution and greenhouse gas emission analyst.
- ✓ Participate on knowledge sharing platforms in the area of environmental science. For example, participate in curriculum reviewing in Wolaita Sodo and Haromaya Universities.
- ✓ Professional membership: Environmental Health Professional Association (EHPA)  
For further information please visit the following links:
  - ✓ ORCID: <https://orcid.org/0000-0001-6701-7411>
  - ✓ Web of Science Researcher ID: <AAJ-8570-2021>
  - ✓ Google scholar: <https://scholar.google.com/scholar>
  - ✓ LinkedIn: <https://www.linkedin.com/in/yitayal-addis-ph-d-25904a83/>
  - ✓ Research gate: <https://www.researchgate.net/profile/Yitayal-Alemayehu>
  - ✓ Publons profile: <https://publons.com/researcher/4346825/yitayal-addis-alemayehu>

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